



Capacitive Sensors
Series 70 - NPN
Series 80 - PNP

Housing M 18 x 1

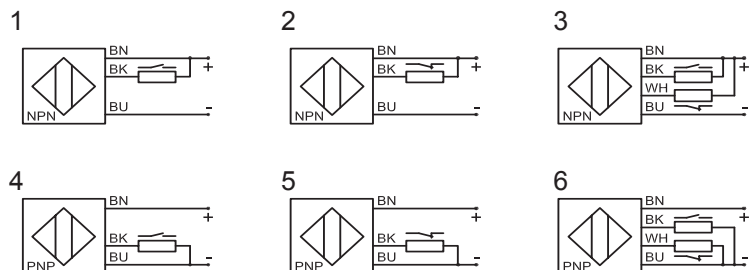
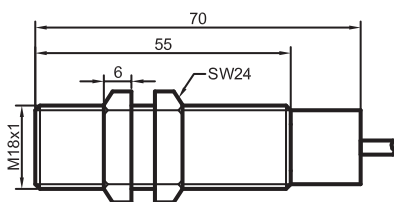
- Housing material: PPO
- Sensing distance 0...5 mm adjustable
- For the detection of conductive liquids through container walls or bypass tubes

Certificate:



Technical data	Flush mountable	Flush mountable
Operating distance S_n	2 mm	2 mm
Operating distance min./max. adjustable	0...5 mm	0...5 mm
Electrical version	3-wire DC	4-wire DC
Output	Normally open	Antivalent (NO + NC)
Type NPN	KAS-70-A13-S-K-HC	KAS-70-A13-A-K-HC
Art.-No.	KA 0389	KA 0553
Connection diagram No..	1	3
Type PNP		KAS-80-A13-A-K-HC
Art.-No.		KA 0627
Connection diagram No.		6
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Output current max. (I_o)	250 mA	2 x 250 mA
Load current min.	-	-
Voltage drop max. (U_d)	< 2.0 V	< 2.0 V
Permitted residual ripple max.	10%	10%
No-load current (I_o)	Typ. 15 mA	Typ. 15 mA
Frequency of operating cycles max.	100 Hz	100 Hz
Permitted ambient temperature	-25...+70° C	-25...+70° C
LED-display	Green/yellow	Green/yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 67	IP 67
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	5 m, PUR, 3 x 0.34 mm ²	5 m, PVC, 4 x 0.34 mm ²
Housing material	PPO	PPO
Active surface	PPO	PPO
Lid	PPO	PPO

All specifications are subject to change without notice. (20.02.2008)



Made in Germany